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MICHIGAN DEPARTMENT OF NATURAL RESOURCES

INTEROFFICE COMMUNICATION

October 12, 1993

TO: Gene Hall, Project Manager
Superfund Section
Environmental Response Division

FROM: Mike Baranoski, Geologist
Geological Services Section
Environmental Response Division

SUBJECT: Albion-Sheridan Superfund site, Calhoun County
PRELIMINARY WORK PLAN

Superfund Section of the Environmental Response Division (ERD), requested the Geological Services Section (GSS) of ERD to develop a preliminary work plan for a magnetometer/gradiometer survey of the Albion-Sheridan Landfill.

The Albion-Sheridan Landfill is located near Albion, Calhoun County. Access is via M-99 south of I-94. Surrounding land use is primarily commercial and residential.

A limited magnetometer survey has been previously done on this site, but the results obtained are questionable. To more fully characterize this site, Superfund requested GSS conduct a more complete magnetometer survey at the earliest date.

The predominant surface material in the study area is glacial outwash and postglacial alluvium. Glacial material thickness in this area is generally less than 50 feet.

To achieve the objectives of this investigation, the following tasks will be conducted:

Task 1: SURVEY GRID

Personnel from the Superfund Section will establish a grid on site. Lines will be oriented north to south and spaced ten feet apart over the portion of the landfill to be surveyed. Stations on the grid line will be marked every five feet using a tape or marked rope.

Task 2: Magnetometer/Gradiometer Survey

Geological Services Section will conduct a magnetometer/gradiometer survey using an Omni-Plus system to determine ferrous metal locations. The survey will be conducted along grid lines spaced 10 feet apart and at five foot stations along these grid lines.

A report or memo summarizing the results of the investigation will be provided to the Superfund Section as soon as possible after the data has been compiled and evaluated.

Attachments

cc: B. Iversen
P. Shirey
C. Graff